

WORLD
TRADE
CENTER

FIRE ALARM SYSTEM
PHASE III
5 WTC MER'S, EMR'S
AND SUBSTATIONS

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

5-17-99
Date

Contract Number Drawing Number

1. FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG E-1.
2. ALL SHIELDS MUST BE ISOLATED FROM GROUND. APPROVED "SHIRING" TUBING SHALL BE USED ON ALL DRAW CONDUCTORS. SEE DETAIL "A" (ON THIS DWG).
3. ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPEN & STRAY VOLTAGES.
4. CONTRACTOR SHALL SHAPE, TEST AND LABEL ALL CABLE CONNECTION SHALL BE MADE BY CONTRACTOR IN THE PRESENCE AND UNDER THE DIRECT SUPERVISION OF THE ENGINEER.
5. FOR TSO-FIA-NES ENCLOSURE LOCATION, SEE DWG E-21, 3rd FLOOR PLAN.

454/25

#14 AND CONDUCTORS AND DRAINS

46 - INDICATES PART NUMBER

M - INDICATES WIRE RUN TO MOLLY

25 - INDICATES TERMINAL BLOCK NUMBER

1 - INDICATES WIRE RUN TO TSC-11

2 - INDICATES WIRE RUN TO TSC-14

0 - INDICATES WIRE RUN TO TSC-F18

TB2 - TERMINAL BLOCK #2

(+) INDICATES POSITIVE POLARITY

(-) INDICATES NEGATIVE POLARITY

(R) INDICATES RED WIRE

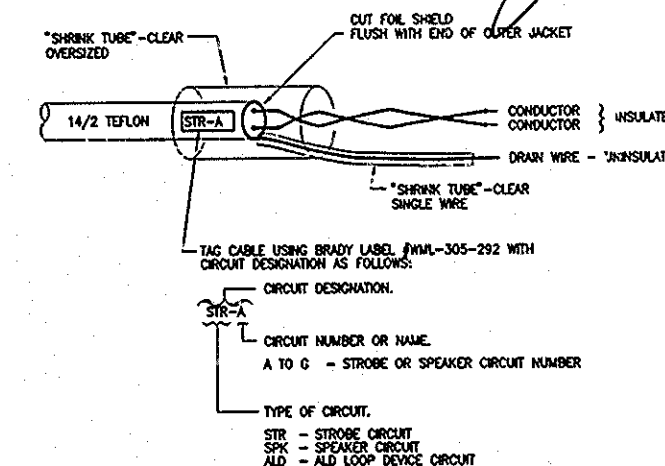
(B) INDICATES BLACK WIRE

(S) INDICATES SHIELD/DRAIN WIRE

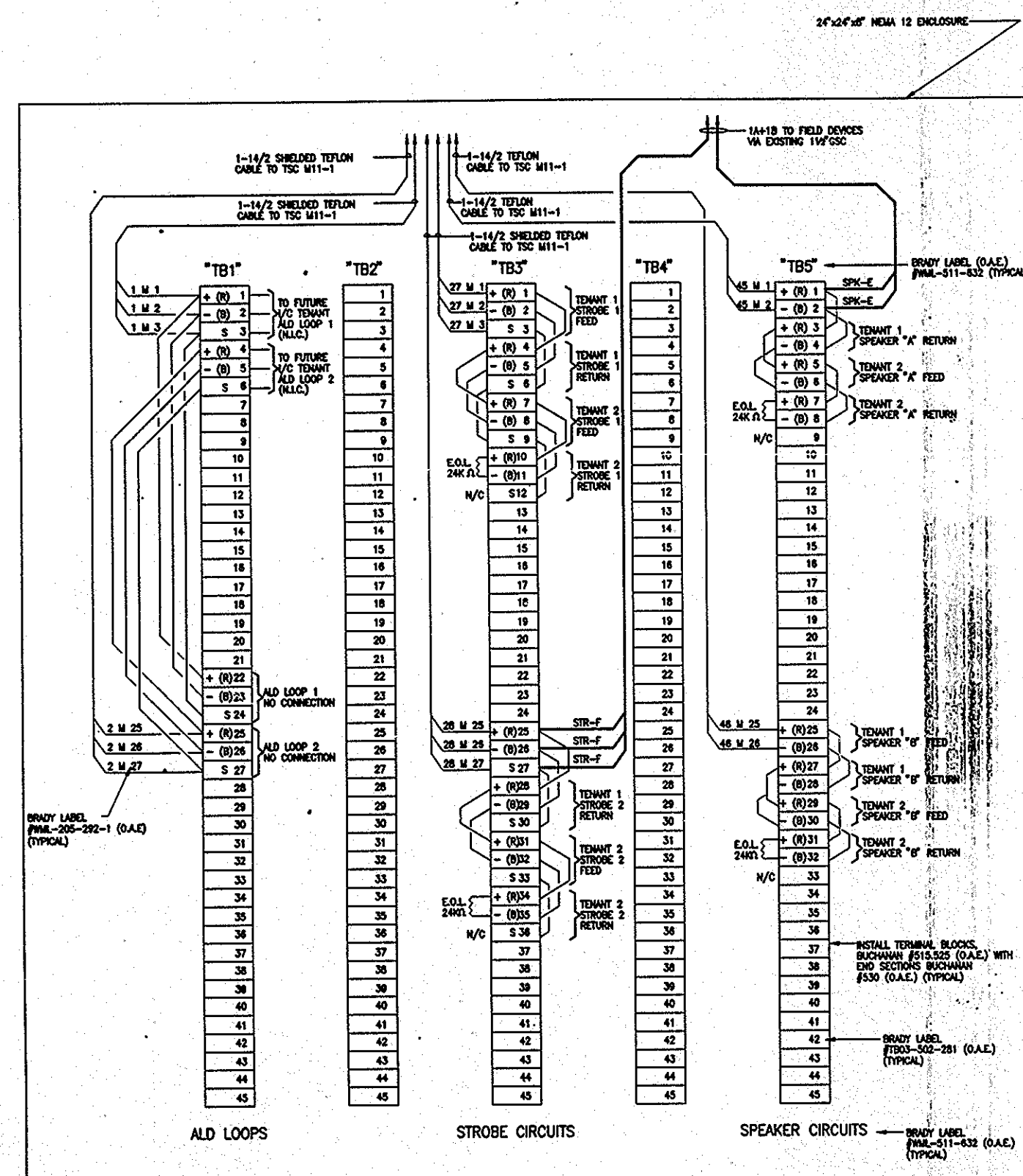
2 INDICATES TERMINAL BLOCK POSITION

+ (R) 2

DATE 12/17/99 [Signature]
CONTRACT ENGR. ARCH.
DATE 12/20/99 [Signature]
ENGINEERING PROGRAM



DETAIL "A" - TYPICAL SHIELD/DRAIN INSULATING METHOD



TSC-F1A-NE3